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Did you mean: [\(middleware or agent\) and synchrony and filter](#)[\[PDF\] Towards programmable networks](#)[\[PDF\] from psu.edu](#)

Y Yemini... - IFIP/IEEE International Workshop on Distributed ..., 1996 - Citeseer

... This paper describes an architecture for programmable network nodes; **middleware** for  
**agent-based** ... Dataflow programs, however, do not require ex- plicit and complex **synchronization**  
mechanisms (eg ... We describe a Remote Network Monitor, an **SNMP Agent**, and an ATM ...

[Cited by 262](#) - [Related articles](#) - [View as HTML](#) - [All 8 versions](#)[Agent information server: a middleware for traveler information](#)[\[PDF\] from psu.edu](#)

M Zargayouna, F Balbo... - ... Societies in the Agents World VI, 2006 - Springer

... us to send our messages via a provider in an asynchronous way, which releases our server and  
the distant **agent** of the **synchronisation** of http... Figure 3 focuses on the internal interactions -the  
messages exchanged inside the **middleware**, presented by an AUML diagram. ...

[Cited by 10](#) - [Related articles](#) - [BL Direct](#) - [All 9 versions](#)[\[CITATION\] Evaluation of java messaging middleware as a platform for software agent communication](#)

F Kargl, T Illmann... - Proc. of JIT

[Cited by 6](#) - [Related articles](#) - [All 5 versions](#)[A Multi-agent System for Integrated Control and Asset Management of Petroleum Production Facilities-Part 1: Prototype](#)[\[PDF\] from psu.edu](#)[Design and Development](#)

AF Sayda... - Intelligent Control, 2008. ISIC 2008. ..., 2008 - ieeexplore.ieee.org

... Post(Stat) Wait Wait C2mat(Processed data) C2mat(Processed data) **Synchronization** Data transfer

Fig. ... **Stat agent** **Stat agent** **middleware** **Stat agent** MATLAB session FDIA agent FDIA agent**middleware** FDIA agent MATLAB session MPI library GSI library Windows XP ...[Cited by 2](#) - [Related articles](#) - [All 6 versions](#)[\[PDF\] Group Support Platform: Middleware Support For Group-Based Distributed Applications](#)[\[PDF\] from psu.edu](#)

K Farooqui - Citeseer

... and membership management protocols, such as virtual **synchrony** (VSYNC) etc. ... The P-Agent  
selects the appropriate MP-Object and gives it the GPDUs and the addresses of ... The GSM acts  
as a single logical **middleware** entity placed between the member object and the underly ...

[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

## Informational middleware based on mutual awareness

F Balbo, M Zargayouna... - Intelligent Agent ..., 2005 - ieeexplore.ieee.org

... distant and interacts with the server by asynchronous SOAP messages means that the server doesn't have to worry about the synchronization of the ... Second, the same Interface **agent** can have more than one LA **agent** representing it in different **middleware** servers, covering ...

Cited by 2 - Related articles - All 9 versions

## Middleware filter agent between server and PDA

X Xue... - US Patent App. 10/666,402, 2003 - Google Patents

... More particularly, the present invention relates to the field of providing a middle- ware **filter agent** to **filter** content sent between ... In this manner, the content received by the PC 32 is selectively filtered by the **middleware filter** 34, such that only ... [0023] Data **synchronization** can also ...

All 2 versions

## Data Synchronization Infrastructure with Middleware

X Ma, Y Zhou, J Han... - ..., Networking and Mobile ..., 2007 - ieeexplore.ieee.org

... devices and data server via HTTP protocol when revision of records in local address book The following is java source code about the framework of the network connection with **middleware** and program ... C. One-way **Sync** from Client The **Sync Server Agent** and the **Sync** ...

## A Lexical Database Filter for Efficient Semantic Publish/Subscribe Message Oriented Middleware

YCN Lien... - Computer Engineering and Applications ( ..., 2010 - ieeexplore.ieee.org

... Therefore, it is necessary for an **agent (middleware)** to glue these heterogeneous platforms (or ...) system to be full decoupled: in Time, Space and **Synchronization** [2]. In ... Traditional Publish/Subscribe Message Oriented **Middleware** uses keywords to match published content ...

Related articles - All 2 versions

## An Application Program and Error Sharing Agent Running on Ubiquitous Networks

EN Ko... - . . ICAT'06. 16th International Conference on, 2007 - ieeexplore.ieee.org

... architecture is used. We proposed an adaptive **synchronization control agent** based on a hybrid software architecture which is adopting the advantage of CACV and RARV for situation-aware **middleware**. It described a ...

Related articles - All 3 versions

## [PDF] Using Policy to Control Data Synchronisation in Middleware for an Ad-hoc Mobile Network

V Jittamas - 2007 - kar.kent.ac.uk

... for making decisions during each **synchronisation** process. The last section describes the **Synchroni-** ... Lastly, the chapter contains information concerning how the **middleware** allows user-defined information to be gathered using the context gathering **agent** interface. ...

Related articles - View as HTML - All 3 versions

## OptimalGrid: middleware for automatic deployment of distributed FEM problems on an Internet-based computing grid

TJ Lehman... - Cluster Computing, 2003. ...., 2005 - ieeexplore.ieee.org

... monitor all compute **agent** performance and "manage" any agents that are not in **sync** with the ...

Philosophically, OptimalGrid makes the assumption that the **middleware** does not have full

administrative control over the ... Since a single slow compute **agent** will slow down the entire ...

[Cited by 12](#) - [Related articles](#) - [All 3 versions](#)

### [High performance distributed real-time object computing environment](#)

Z Xingshe, H Gang, L Yajie... - ... Performance Computing in ..., 2002 - ieeexplore.ieee.org

... The period of **synchronization** will be postponed or shortened according to the error is under  
or ... Since interceptors are standard in CORBA, the two **filters** can be easily migrated to ... This facility  
is a distributed **agent middleware** which conform to the OMG Mobile **Agent** specification ...

[Related articles](#) - [All 4 versions](#)

### [\[DOC\] XMPP based Event Notification Middleware for Real-Time and Large Scale Health Care Integrated Ambient Systems](#)

[\[DOC\]](#) from metu.edu.tr

W Labidi, JF Susini, P Paradinas... - ... , Proceedings of the ..., 2007 - srdc.metu.edu.tr

... provide decoupling between publishers and subscriber in space, time and **synchronization**, but  
also it ... G. Bianchi, S. Salsano: A Measurement Study of the Mobile **Agent** JADE Platform ...

<http://www.toumaz.com/healthcare/>; IEEE DS Online-Event Based **Middleware** Community <http://www.toumaz.com/healthcare/>

[Cited by 2](#) - [Related articles](#) - [View as HTML](#)

### [\[PDF\] Scene synchronization in close coupled world representations using SCIVE](#)

[\[PDF\]](#) from psu.edu

ME Latoschik, C Froehlich... - International Journal of Virtual ..., 2006 - Citeseer

... currently utilized to design a large scale continuously running virtual world for **agent** interactions. ...

Second, to optimize the temporal **synchronization** and conflict resolution component to signal  
modules in ... S. Limet, E. Melin, B. Raffin, and S. Robert, "Flowvr: a **middleware** for large ...

[Cited by 5](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

### [Enhancing the environment with a law-governed service for monitoring and enforcing behavior in open multi-agent systems](#)

[\[PDF\]](#) from psu.edu

R Paes, G Carvalho, M Gatti, C Lucena... - ... for Multi-Agent ..., 2007 - Springer

... questions, it allows the easy specification of global laws with no need for state **synchronization**. ...

presented some of the main ideas behind research into governance of **agent** systems ... Then, from  
a Software Engineering perspective, we have proposed a **middleware** that allows the ...

[Cited by 9](#) - [Related articles](#) - [BL Direct](#) - [All 7 versions](#)

### [Mechanisms for environments in multi-agent systems: Survey and opportunities](#)

[\[PDF\]](#) from psu.edu

E Platon, M Mamei, N Sabouret, S Honiden... - ... Agents and Multi-Agent ..., 2007 - Springer

... An example of mechanism for the field approach is the TOTA **middleware** [34]. ... Multi-Agent Based  
Simulations (MABS) are representative examples in the MAS community [27, 32]. ... applications  
complete the real-world with a computational counterpart that evolves in **synchrony**. ...

[Cited by 22](#) - [Related articles](#) - [BL Direct](#) - [All 12 versions](#)

### [\[PDF\] Building conversational agents in Second Life using Basilica](#)

[\[PDF\]](#) from rohitkumar.net

R Kumar, BK Weusijana... - submitted to Interspeech - basilica.rohitkumar.net

... by Basilica has further advantages for building multi-modal conversational applications due to  
the need for different levels of **synchrony** for communication ... The PresenceActor and the  
ChannelFilter components of the conversational **agent** use the **middleware** interface to ...

[Cited by 3](#) - [View as HTML](#)





[Cited by 16](#) - [Related articles](#) - All 15 versions

[\[PDF\]](#) **Benchmarking Mobile-Agent Systems**

[\[PDF\] from psu.edu](#)

M Dikaikos, M Kyriakou... - Dept. of Computer Science, 2001 - Citeseer

... that we use to evaluate the performance of mobile-agent middleware quantitatively. In 8 ... **SYNCH**

Captures the overhead of blocking messaging, which ... MSG-MA Captures the overhead of  
agent-communication with messenger agents. Table 1:Definition of Micro-benchmarks. ...

[Cited by 6](#) - [Related articles](#) - [View as HTML](#) - All 8 versions

[\[PDF\]](#) **Oracle Enterprise Service Bus: The Foundation for Service Oriented Architecture**

[\[PDF\] from oracle.com](#)

..., OF Middleware - Retrieved from: <http://www.oracle.com/global/> ..., 2007 - oracle.com

... Page 4. Oracle Fusion **Middleware** Page 5. Apps Legacy ... Transactional (whenever possible) •

**Sync**, Async, bi-directional • Wizards-driven, graphical introspection of target systems ... No security  
hard-coded in endpoints → Deployment options: gateway or **agent** modes ...

[Cited by 2](#) - [Related articles](#) - [View as HTML](#)

[Delivering QoS in open distributed systems](#)

[\[PDF\] from psu.edu](#)

F Siqueira... - ... . 7th IEEE Workshop on Future Trends of, 2002 - ieeexplore.ieee.org

... The term 'QoS architecture' is used to describe **middleware** that provides applications with  
mechanisms for QoS specification and enforcement ... | **Agent** Figure 3. The QUattz/CORBA  
framework For **synchronisation** of media we adopt the notification service [16], an extension to ...

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[PSWare: A publish/subscribe middleware supporting composite event in wireless sensor network](#)

S Lai, J Cao... - Pervasive Computing and ..., 2009 - ieeexplore.ieee.org

... a lot of issues in designing an efficient event detection protocol such as distributed processing,  
time **synchronization** and energy ... Event **filters** which represent ... Transactions on Database Systems  
(TODS), 2005 [8] CL Fok, GC Roman, C Lu, "Mobile agent **middleware** for sensor ...

[Cited by 1](#) - [Related articles](#) - All 4 versions

[Collection and object synchronization based on context information](#)

S Tarkoma, T Lindholm... - Mobility Aware Technologies ..., 2005 - Springer

... updated (7). After this the collection is synchronized using the **sync** operation (8 ... N., Kortenatzas,  
G., eds.: Sec- ond International Workshop on Next Generation Networking **Middleware**. ... addressing:

The concept and an implementation for large-scale mobile **agent** systems using ...

[Cited by 3](#) - [Related articles](#) - [BL Direct](#) - All 3 versions

[A middleware architecture for streaming media over IP networks to mobile devices](#)

[\[PDF\] from iitb.ac.in](#)

K Curran... - ... and Networking, 2003. WCNC 2003. 2003 ..., 2003 - ieeexplore.ieee.org

... enriched with additional functionality such as transport protocol functionality, **synchronization**  
and presentation ... resource requirements for processing, translation, and transmission thus  
**middleware** must combine ... and a server communicating using a proxy and a home **agent**. ...

[Cited by 11](#) - [Related articles](#) - All 2 versions



... contexts to applications as well as notifying the applications of context changes [5]. Here we mention our **middleware** architecture components, in **sync** with the ... These two first steps will modify the Feature Extraction Agent template provided by the Middleware System to ...

Cited by 13 - Related articles - All 7 versions

### Monitoring and testing middleware based application software

X Logean, F Dietrich, JPA Hubaux... - US Patent ..., 2003 - Google Patents

... by examiner Primary Examiner—Hoang-Vu Antony Nguyen-Ba (74) Attorney, **Agent**, or Firm ... events is reconstructed eg either by a logical clock system, a **synchronization** protocol, or ... For example, in the CORBA **middleware** specification, there is a standardized notion that can be ...

Cited by 13 - Related articles - All 2 versions

### Design and application of TOAST: an adaptive distributed multimedia middleware platform

[\[PDF\]](#) from psu.edu

T Fitzpatrick, J Gallop, G Blair, C Cooper... - Interactive Distributed ..., 2001 - Springer  
... work at Lancaster investigates the use of reflection techniques in more generalized **middleware** in the ... The intended use is to allow the programmer or adaptive **agent** (eg a ... imposed by multithreaded components; the context-switching and other thread **synchronisation** having a ...

Cited by 18 - Related articles - BL Direct - All 14 versions

### Network emulation in the Vint/NS simulator

[\[PDF\]](#) from psu.edu

K Fall - ... 1999. Proceedings. IEEE International Symposium on, 2002 - ieeexplore.ieee.org  
... ns use-scheduler RealTime ; # specify the real-time **sync'd** scheduler set ... The echo **agent** is connected to the tap **agent** on Node 0. Upon receiving simulator packets, the tap **agent** on Node 0 injects the ... Toward a common infrastructure for multimedia- networking **middleware**. ...

Cited by 227 - Related articles - All 12 versions

### [PDF] Stream Reasoning in DyKnow: A Knowledge Processing Middleware System

[\[PDF\]](#) from psu.edu

F Heintz, J Kvarnstrom... - Proc. 1st Int'l Workshop Stream Reasoning - Citeseer  
... pattern of communication decouples knowledge processes in time, space, and **synchronization** [6], providing a ... We have presented DyKnow, a stream-based knowledge processing **middleware** frame- work ... for bridging the gap between sensing and reasoning in a physical **agent**. ...

Cited by 2 - Related articles - View as HTML - All 5 versions

### [PDF] Preprint: Proc. IEEE Enterprise Networking and Computing (ENCOM), Atlanta, GA, June 1999. 1 Middleware for Nomadic Access to Enterprise Information

[\[PDF\]](#) from ravijainweb.com

R Jain - Atlanta, 1999 - ravijainweb.com  
... with those on fixed servers), cost analysis (ie, to deter- mine which **synchronization** strategies would ... anager provides a subset of the functional- ity required by the personal **agent**, and each ... Each of the functions that we have shown in the "Nomadicity **middleware**" section consists ...

Related articles - View as HTML

### [PDF] A Customizable Active Middleware Architecture for Dynamic Deployment and Management of Internet-based Multimedia Services

[\[PDF\]](#) from psu.edu

G Fortino, A Mantuano, W Russo... - Citeseer

... Thus, the clones engage a **synchronization** phase which allows the second sc ... This paper have proposed and exemplified an active **middleware** architecture, which blends the ... highlighted the emergence of software engineering methodologies for mobile **agent**- based software ...

Related articles - [View as HTML](#) - All 5 versions

### [MagCat: an agent-based metadata service for data grids](#)

BB de Sousa, FJS da Silva... - Cluster Computing and ..., 2006 - [ieeexplore.ieee.org](#)

... MagCat also deals with replica management and **synchronization**. MagCat was developed based on an **agent** paradigm, considering the advantages presented in section 1 ... 1], consists of a metadata service developed for the Storage Resource Broker **middleware** (SRB) with the ...

Related articles - All 4 versions

### [\[PDF\] Adding safeness to dynamic adaptation techniques](#)

[\[PDF\] from psu.edu](#)

J Zhang, Z Yang, BHC Cheng... - Proceedings of the ICSE ..., 2004 - Citeseer

... between the root (the initiator of the recombination) and other processes to **synchronize** the re ... auto-mated: The algorithms are carried out by the manager and the **agent** programs. ... in Proceedings of the ACM SIGPLAN Workshop on Optimization of **Middleware** and Distributed ...

Cited by 35 - Related articles - [View as HTML](#) - All 11 versions

### [Visperf: Monitoring tool for grid computing](#)

[\[PDF\] from psu.edu](#)

DW Lee, J Dongarra... - Computational Science—ICCS ..., 2003 - Springer

... example, the NetSolve module at the bottom of the figure is used for communicating with the NetSolve **agent** to query ... This module periodically sends a **synchronization** message to its local sensors. ... The interactions of the **middleware** are displayed in an animated resource map. ...

Cited by 20 - Related articles - [BL Direct](#) - All 14 versions

### [Evaluating mobile agent platform security](#)

A Bürkle, A Hertel, W Müller... - Multiagent System Technologies, 2006 - Springer

... TC9: Replacing the policy **filter**. – TC10: Replacing the Java security manager. ... The **synchronization** on the ... Volume 2773 of LNCS., Oxford, UK, Springer (2003) 921 – 928 4. Fok, C., Roman, G., Lu, C.: **Mobile Agent Middleware** for Sensor Networks: An Application Case Study ...

Cited by 4 - Related articles - [BL Direct](#) - All 5 versions

### [UPnP into a car-gateway middleware with OSGi: Interoperability and security](#)

[\[PDF\] from aido.es](#)

AR Nieves, JS Gomez-Escalona... - Intelligent solutions ..., 2009 - [ieeexplore.ieee.org](#)

... Direct **sync** Transparent **sync** Fig. ... Then, the security **agent** invokes someService on the target device. In return, the device provides a response RES. The security subsystem propagates the response to the invoker **middleware** following symmetrically the previous steps. VI. ...

Related articles - All 2 versions

### [A middleware support for agent-based application mobility in pervasive environments](#)

[\[PDF\] from polyu.edu.hk](#)

Y Zhou, J Cao, V Raychoudhury, J Siebert... - 2007 - computer.org

... The above observations motivate us to approach it from the **middleware** perspective, offering a **middleware**-level support for ... Our demo simplifies this process and lets **agent** clone the application and migrate to the separate rooms and establish the **synchronization** links with ...

[Cited by 2 - Related articles - All 5 versions](#)

[\[PDF\]](#) Intelligent Content Transformation in Tactical Wireless Networks

[\[PDF\] from 202.194.20.8](#)

F Caruso, T Chen, M Fiuk, V Kaul, I Hokelek... - 202.194.20.8

... time(E); The C2MINCS Persistence module maintains the current state of a session and allows a C2MINCS client **agent** to **synchronize** to this ... For the SOA gateway, a JMS **middleware** bus [12] transport adaptor was tested over UDP to decrease loss sensitivity and increase ...

[View as HTML](#)

[Event detection services using data service middleware in distributed sensor networks](#)

[\[PDF\] from psu.edu](#)

S Li, Y Lin, SH Son, JA Stankovic... - Telecommunication Systems, 2004 - Springer

... The mobile-**agent**-based approach, however, leverages on the migration traffic of mobile agents ... the first step to deliver a flexible and efficient data service **middleware** for sensor ... D. Jayasimha, S. Ivengar and R. Kashyap, Information integration and **synchronization** in distributed ...

[Cited by 187 - Related articles - BL Direct - All 35 versions](#)

[\[PDF\]](#) 6. Agent Coordination via Scripting Languages

[\[PDF\] from psu.edu](#)

JG Schneider, M Lumpe... - 2007 - Citeseer

... Page 7. 6. Agent Coordination via Scripting Languages 7 ... In addition to lo- cal **synchronization**, rsh has to open an network connection, **synchronize** the communication between the remote process, itself, and the local I/O streams, and close the network connection upon ...

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[\[PDF\]](#) Enhancing the Sentience of URC using Atlas Service-Oriented Architecture

[\[PDF\] from ufl.edu](#)

H Kim, YJ Cho, S Helal, HI Yang... - icta.ufl.edu

... Users are able to add, delete and update service bundles, and **synchronize** with other repositories. ... is deployed in the space, the plug-and-play capability ensures that a service bundle is activated in the Atlas **middleware**; at the same time, the Service **Agent** Loader detects ...

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[Mobile Agent Computing Paradigm for Building a Flexible Structural Health Monitoring Sensor Network](#)

[\[PDF\] from mtu.edu](#)

B Chen... - Computer - Aided Civil and Infrastructure ..., 2010 - Wiley Online Library

... Figure 4. An SHM sensor node integrated with a mobile **agent** **middleware**. ... The mobile diagnosis **agent** collaborates with data acquisition agents (typically stationary agents) residing in sensor ...

A number of **synchronization** schemes (Elson et al., 2002; Ganeriwal et al., 2003; Van ...

[Related articles](#) - All 5 versions

[NeCoMan: middleware for safe distributed service deployment in programmable networks](#)

[\[PDF\] from psu.edu](#)

N Janssens, L Desmet, S Michiels... - ... reflective **middleware**, 2004 - portal.acm.org

... dition, similar to the case of asynchronous unidirectional communication, a **synchronization** message to ... In The 2nd Workshop on Reflective and Adaptive **Middleware**, Rio de Janeiro, Brazil ...

An **Agent** Design Method Promoting Separation Between Computation and Coordination ...

[Cited by 15 - Related articles](#) - All 13 versions

## Identity Management

CW Thompson, DR Thompson - IEEE Internet ..., 2007 - doi.ieeecomputersociety.org

... One high-level view of an overall architecture is that the edge technologies collect information; enterprise or global **synchronization** networks **filter** that ... His research interests include software architecture, **middleware**, data engineering, and **agent** technologies. ...

Cited by 4 - Related articles - BL Direct - All 6 versions

[\[PDF\] from psu.edu](#)

## An agent-based approach to tool integration

F Corradini, L Mariani... - International Journal on Software Tools ..., 2004 - Springer

... 4 presents the **agent-based middleware** soft- ware architecture and shows how the layers ... a User-Level Workflow (ULW) specification that is mapped to an **Agent-Level Workflow** ... implementing all specified ac- tivities; agents are executed and their **synchronization** is supported ...

Cited by 25 - Related articles - All 7 versions

[\[PDF\] from psu.edu](#)

## Metrics for agent-based software development

BH Far... - Electrical and Computer Engineering, ..., 2003 - ieeexplore.ieee.org

... hotocols for communication, **synchronization**, etc. ... is decomposed into difrent levels of abstraction, such as application layer, business specific layer, **middleware** layer, etc ... The architectural uattem may be extended to devi:re the internal architecture of each constituent **agent**. ...

Cited by 7 - Related articles - All 7 versions

## Middleware service architecture over cellular network for mobile medical applications

J Light... - International Journal of Healthcare ..., 2007 - Inderscience

... 113 Page 8. 6.2 Services provided by the **middleware** ... Mobile database management: The prime function of this mobile **agent** would be data retrieval, insertion and **synchronisation** between the database server and the mobile clients while on the move. ...

Cited by 2 - Related articles - BL Direct - All 5 versions

[\[PDF\] from cern.ch](#)

## PC-based Event Filter supervisor: Design and Implementation

Z Qian, CP Bee, E Fede, C Meessen... - 2000 - cdsweb.cern.ch

... features : remote-enabling a class; remote create instance of any class and obtain his proxy; dynamic class loading; , remote message (one-way, **sync**, future); multicast ... Mobile **agent** system : Voyager 3.3 ... It can be a CORBA server or a Message Oriented **Middleware** (MOM). ...

## Extended middleware for fault-tolerant architecture

F Holzmann - Adaptive Cooperation between Driver and Assistant ..., 2008 - Springer

... 94 1 Extended **middleware** for fault-tolerant architecture ... Therefore, exclusive areas for inputs/outputs **synchronization** will be allocated especially if the costs of code overhead in the ... by the current architecture will be transferred to client-server links to isolate each **agent** and let ...

[\[PDF\] from psu.edu](#)

## Congestion control in a reliable scalable message-oriented middleware

P Pietzuch... - **Middleware** 2003, 2003 - Springer

... Its asynchronous model is preferable to tight **synchronization**, for application integration and information ... paper focuses on congestion control mechanisms for reliable and scal- able messaging **middleware**. ... express inter- est in messages by providing a predicate/filter, that can ...

[Cited by 23](#) - [Related articles](#) - [BL Direct](#) - All 18 versions

### Toward a common infrastructure for multimedia-networking middleware

[\[PDF\] from psu.edu](#)

S McCanne, E Brewer, R Katz... - ... System Support for ..., 2002 - ieeexplore.ieee.org  
... solid understanding of many multimedia-system ab- stractions like cross-media **synchronization** [10,271, mod ... multimedia objects to provide multiple levels of abstraction to the **middleware** user; ... the basic set of objects, CMT provides a framework for **synchronizing** and controlling ...

[Cited by 154](#) - [Related articles](#) - All 23 versions

### 5 Mobile Middleware in Enterprise Systems

D Bruneo, A Puliafito, M Scarpa... - Handbook of Enterprise ..., 2009 - books.google.com  
... that work offline and that send the information collected later through a subsequent **synchronization**. ... This enables administrators to add and remove devices, **filters**, rules, and dispatchers ... Bellavista, P., Corradi, A., and Stefanelli, C., Mobile **agent middleware** for mobile ...

[Related articles](#)

### A management architecture for active networks

[\[PDF\] from cnr.it](#)

A Barone, P Chirco, G Di Fatta... - Active **Middleware** ..., 2002 - ieeexplore.ieee.org  
... Proceedings of the Fourth Annual International Workshop on Active **Middleware** Services (AMS'02) 0-7695-1721-8/02 \$17.00 © 2002 ... Clock and **sync** process ... application can subscribe the management/monitoring service in a node by registering a unique ID to the local **agent** ...

[Cited by 7](#) - [Related articles](#) - All 8 versions

### [PDF] A Java performance monitoring tool

[\[PDF\] from psu.edu](#)

M Harkema, D Quartel, R van der Mei... - Proceedings TOOLS-2003 - Citeseer  
... for implementing enterprise applications and off-the-shelf components, such as **middleware** and business ... The library is linked with the JVMPi **agent**, and rewriting the byte-code occurs at run ... use of Java monitors are to be logged (that implement **synchronization** and cooperation ...

[Cited by 4](#) - [Related articles](#) - [View as HTML](#) - All 5 versions

### Delivering QoS in open distributed systems.

[\[PDF\] from tcd.ie](#)

V CAHILL - 1999 - tara.tcd.ie  
... The term 'QoS architecture' is used to describe **middleware** that provides applications with mechanisms for QoS specification and enforcement ... | Agent Figure 3. The QUattz/CORBA framework For **synchronisation** of media we adopt the notification service [16], an extension to ...

[Related articles](#) - All 3 versions

### Mobile data collection in sensor networks: The TinyLime **middleware**

C Curino, M Giani, M Giorgetta, A Giusti... - Pervasive and Mobile ..., 2005 - Elsevier  
... As usual, it is the **middleware** that takes care of creating this abstraction to ... Imagine a situation where a single base station **agent** registers a reaction to display ... Physical time requires complex **synchronization** algorithms [9] that introduce significant communication overhead. ...

[Cited by 42](#) - [Related articles](#) - All 6 versions

## [DOC] Multi-Agent Architecture for Seamless Personal Communications

I Iida, N Fujino, T Nishigaya... - itu.int

... In order to support offline operation, NA on the client supports data **synchronization** to guarantee the consistency of the state of agents on the client. ... We described the mobile communication **middleware** which consists of network adaptation and **agent** collaboration layer. ...

Related articles - View as HTML - All 2 versions

## Developing multimedia services using high-performance concurrent communication design patterns

H Lucic... - ... , 2003. ConTEL 2003. Proceedings of the ..., 2005 - ieeexplore.ieee.org

... to develop DirectSboiv@ - CORBA A/V Srreaming **Agent**, which bonds above-mentioned **middleware** technologies ... 2. **Synchronization** of video and audio stream so they can be rendered at ... DCAV **Agent** is a DirectShow@ compatible source **filter** that uses CORBA AIV Streaming ...

Cited by 1 - Related articles

## MECHANISM FOR ADAPTIVE PROFILING FOR PERFORMANCE ANALYSIS

Y Chen, E Duesterwald, Y Li... - US Patent App. 20,090/ ..., 2008 - freepatentsonline.com

... performance challenges related to concurrency such as utilization, **synchronization** and sharing ... example, hardware, hypervisor, operating system (OS), language runtime, **middleware**, application, etc ... **Agent** monitors 106 adjust instrumentations that monitor the target system 114 ...

Cached

## [PDF] Agents and Ambient Intelligence: the LAICA Experience

[PDF] from psu.edu

L Ferrari, G Cabri... - Citeseer

... Sensor agents can show themselves to the environment through the discovery and **sync**. ... can be exploited to find out other agents, that can help the sensor **agent** performing its ... leave the Aml environment dynamically, can exploit services pro- vided by the **middleware** and the ...

Cited by 1 - Related articles - View as HTML - All 10 versions

## Towards middleware services for mobile ad-hoc network applications

[PDF] from uio.no

T Plagemann, V Goebel... - 2003 - computer.org

... [48] M. Roman, D. Mickunas, F. Kon, RH Campbell, "LegORB and Ubiquitous CORBA, Workshop on Reflective **Middleware** at **Middleware'2000**, New ... [50] C. Sanchez, L. Gruenwald, "An **Agent-Based Architec** ... 149–160. [55] The SyncML Initiative, SyncML **Sync** Protocol, Version ...

Cited by 20 - Related articles - All 18 versions

## Multimedia synchronization based on aspect oriented programming

A Furfaro, L Nigro... - Microprocessors and Microsystems, 2004 - Elsevier

... media streams, an audio stream and a video stream, and controlling the **lip-synch** problem. ... deals with maintaining the requirements of the temporal relationship between two or more media, such as **lip-sync**. ... Expiration of the first MaxEEDTask triggers the **synchronization** actions ...

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## [PDF] Evaluating RFID middleware

[PDF] from worxlogic.co.za

S Leaver - 2004-08-13). http://www. forrester. com - worxlogic.co.za

... Related Research Documents "Linking RFID And Global Data **Sync**" June 11, 2004, Trends ...

specialists to get serious about capitalizing on the current demand for **RFID middleware**. The vendor's **EPC Agent** software package — which will add RFID-specific features like ...

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### Experiences and future challenges in mobile agent programming

AR Tripathi, T Ahmed... - *Microprocessors and Microsystems*, 2001 - Elsevier

... It also supports **synchronization** of child agents using a pattern called fork-join. ... One is to provide mechanisms for such agents to **synchronize** and coordinate their activities. ... Our web search facility is built on top of a mobile **agent middleware** implemented to share files over the ...

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### Miro-middleware for mobile robot applications

[\[PDF\]](#) from unipd.it

H Utz, S Sablatnog, S Enderle... - ... and Automation, IEEE ..., 2002 - ieeexplore.ieee.org

... objects, which can trade in- formation and services in an **agent-like** manner ... Section II are obtained for free by using CORBA as communica- tions **middleware**. ... vision systems, manipulators) from other manufacturers, the programmer must carefully **synchronize** the communication ...

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### Construction of negotiation protocols for E-Commerce applications

[\[PDF\]](#) from utwente.nl

Z Zlatev, N Diakov... - ACM SIGecom Exchanges, 2004 - portal.acm.org

... Bidder instance with nodes A, B, C, D, and F (using auxiliary **Sync** channels ... The Reo coordination **middleware** allows plugging in of different component models for structuring the ... Two such languages from the Multi-Agent Systems field are AgenTalk [KUWABARA, ISHIDA AND ...

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### MidField system: configuration of media processing modules for multipoint communication

K Hashimoto... - World Review of Science, Technology and ..., 2010 - Inderscience

... The authors have designed and implemented a communication **middleware** and application suites. ... The stream plane consists of three layers, which are **synchronisation**, data transform and ... The authors had considered that for implementing a mobile **agent** platform Java, which ...

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### Distributed agent environments in the Ambient Event Calculus

[\[PDF\]](#) from rhul.ac.uk

S Bromuri... - Proceedings of the Third ACM International ..., 2009 - portal.acm.org

... **agent** environment? Event filtering: how can entities **filter** the information that they receive from the **agent** environment? Delivery semantics: how are events propagated in a dis- tributed **agent** environment? Event Persistence ...

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### Lime revisited

[\[PDF\]](#) from ufmq.br

B Carburan, M Valente... - *Mobile Agents*, 2001 - Springer

... is symmetric to the AccFilter in that it appends the name of the **agent** to all ... This paper revisited Lime, a **middleware** communication infrastructure for mo- bile computation that addresses ... of Lime, which we call CoreLime, that has none of the global **synchronization** and atomicity ...

[Cited by 8 - Related articles - All 5 versions](#)

[\[PDF\]](#) **Middleware support for fault tolerance**

[\[PDF\] from ufcg.edu.br](#)

D Szentiványi... - **Middleware for ...**, 2004 - embedded.ufcg.edu.br

... 1 Infrastructure connecting clients to server objects Page 481. 444 **Middleware Support for Fault Tolerance** Felber et al. ... An event **filter** is related to a fault consumer and is used to send a fault notification exactly to those parties that are interested in it. ...

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[\[PDF\]](#) **Pervasive and Mobile Computing Middleware**

[\[PDF\] from psu.edu](#)

K Rindtorff... - Citeseer

... This is the objective of a pervasive Internet portal **middleware** or infra- structure, as presented here ... the layout of content available from the Internet cannot be based on the user-**agent** information alone ... Pages are downloaded from the Internet to the device during **synchronization**. ...

[View as HTML - All 7 versions](#)

[\[BOOK\]](#) **Agent-based software development**

M Luck, MM Luck, R Ashri... - 2004 - books.google.com

... Page 2. Page 3. **Agent-Based Software Development** This one 8T62-JQS-K9BJ Page 4. ... For example, the World Wide Web, e-commerce, Grid computing, and distributed object technologies all suggest that **agent** technology has an important role in modern computing. ...

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[\[PDF\]](#) **Distributed systems management architectures**

[\[PDF\] from psu.edu](#)

SD Taylor - 1996 - Citeseer

... the system-management functions. Some **middleware**, outside the scope of the OSI ... 3.

M-GET retrieves management information from an **agent's** MIB. 4. M-SET changes management information in an **agent's** MIB. ... **Synchronization** can be ...

[Cited by 11 - Related articles - View as HTML - All 5 versions](#)

**Usage Tracking Components for Service-Oriented Middleware Systems**

[\[PDF\] from znanstvenici.hr](#)

D Skrobo, K Vladimir... - EDOC Conference Workshop, ..., 2008 - ieeexplore.ieee.org

... MonALISA consists of a collection of autonomous **agent-based** subsystems that cooperate ... mechanisms [18] are services that enable communication and **synchronization** of distributed ... Having the usage tracking **middleware** components defined as services brings two important ...

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**Agent-Aided collaborative virtual environments over HLA/RTI**

[\[PDF\] from psu.edu](#)

X Shen, R Hage... - ... Interactive Simulation and ..., 2002 - ieeexplore.ieee.org

... VR) because it adds new dimensions to human-factors, networking, **synchronization**, **middleware**, object model ... web browser, the other the graphical interface for the speech **agent** associated with ... virtual worlds too many objects that require a certain **synchronization** or update ...

[Cited by 20 - Related articles - All 7 versions](#)

## Towards a Middleware Framework for Dynamically Reconfigurable Scientific Computing Kaoutar El Maghraouia, Travis

Dcsella, Bolcsław K. Szymanska, James D. ...

L Grandinetti - Grid computing: the new frontier of high ..., 2005 - books.google.com  
... requests. When a process receives a migration notification, it initiates checkpointing of its local data in the next **synchronization** point. Checkpointing ... efficiency. Each IOS-ready node is equipped with a **middleware agent**. Agents ...

Related articles

[PDF] [Using Aspects and Compilation Techniques to Dynamically Manage Applications](#)

[PDF] from psu.edu

B Kaddour... - 2006 - Citeseer

... by third parties to spy requests or modify messages exchanged between the **middleware** and the ... an object – eg a logging activity initiated by a user A and a **synchronization** activity required ... or method local variables while cached memory zones are allocated for the **agent** needs ...

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**Property based coordination**

[PDF] from psu.edu

M Zargayouna, J Trassy... - Artificial Intelligence: Methodology, ..., 2006 - Springer

... 11. D. Weyns and T. Holvoet. A colored petri net for regional **synchronization** in situated multi- **agent** systems. ... PNC. 12. M. Zargayouna, F. Balbo, and J. Saunier.

Agent information server: a **middleware** for traveler information. ...

Cited by 6 - Related articles - [BL Direct](#) - All 11 versions

[PDF] [An Evaluation Framework for middleware approaches on Wireless Sensor Networks](#)

[PDF] from tkk.fi

S Tong - Seminar on Internetworking, Helsinki University of ..., 1927 - cse.tkk.fi

... Agilla Agilla is mobile **agent** based **middleware** ... There is a cross-platform com- ponents under layer of **middleware** API, so Runes solu- tion can be deployed on ... Kairos can decide to use loose node **synchronization** or tight node **synchronization** base on programmer's purpose[7] ...

Cited by 1 - Related articles - [View as HTML](#)

[BOOK] [Jpmpt: a java performance monitoring tool](#)

[PDF] from psu.edu

M Harkema, D Quartel, R Van Der Mei... - 2003 - Citeseer

... Java a popular choice for implementing enterprise applications and off-the- shelf components, such as **middleware** and business logic. ... garbage collection, method invocation, use of Java monitors are to be logged (that implement **synchronization** and cooperation ... Profiler **agent** ...

Cited by 5 - Related articles - [Library Search](#) - All 11 versions

[HTML] [Craig W. Thompson, University of Arkansas](#)

[HTML] from computer.org

DR Thompson - computer.org

... One high-level view of an overall architecture is that the edge technologies collect information; enterprise or global **synchronization** networks **filter** that ... His research interests include software architecture, **middleware**, data engineering, and **agent** technologies. ...

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